3D mid-air audio-haptic navigation for digital signage

Can mid-air haptics can provide haptic information for digital signage navigation
3D mid-air audio-haptic navigation for digital signage

**Why**
- Increase interaction/engagement
- Support/engagement with users with disabilities
- Provide directions to specific locations
  - Restaurants
  - Pharmacy
  - Gate
- Provide further information about the location
  - Open/closed
  - Busy
  - Special features
3D mid-air audio-haptic navigation for digital signage

**How** Work on progress

- How users identify location in space through their hands
- Relationship between mid-air haptics and binaural/ambisonics
- Understand what audio/haptic feedback works best
  - Impulsive sounds
  - Voice - Dialogue
  - Environmental sounds
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**How**  Work on progress
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Thank you for listening